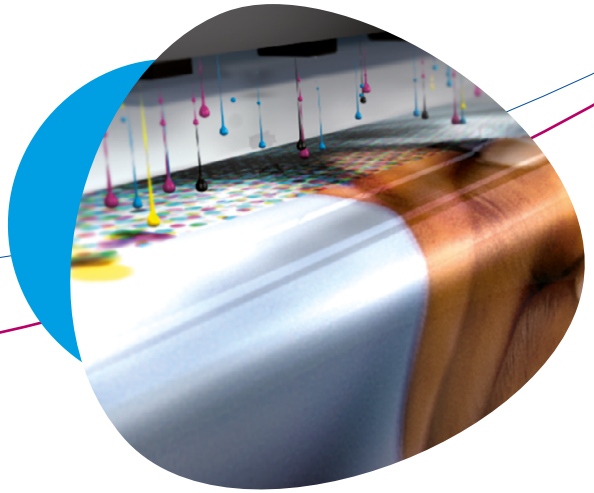
BYK

ADDITIVE SELECTION CHART
ADDITIVES FOR INKJET INKS

LEVELING

SCRATCHPROOF



PIGMENT STABILIZING

Inkjet inks: „Drop-on-demand (DOD)“ (1/3)

Application	Aqueous	“Strong” solvent and continous inkjet	“Eco” solvent (“mild” solvent)	UV, solvent-free
Pigment stabilization				
Cyan: (PB 15:3 / PB 15:4)	BYKJET-9152 ●	BYKJET-9131 ●	BYKJET-9151 ●	BYKJET-9151 ●
	BYKJET-9171 ●	BYKJET-9132 ●	BYKJET-9152 ●	BYKJET-9152 ●
	BYKJET-9175 ●	BYKJET-9151 ●	DISPERBYK-2200 ○	DISPERBYK-2030 ●
	DISPERBYK-190 ●	DISPERBYK-161 ○	DISPERBYK-2205 ○	BYKJET-9150 ○
	DISPERBYK-2014 ●	DISPERBYK-163 ○		DISPERBYK-168 ○
	BYKJET-9151 ○			DISPERBYK-168 TF*[1] ○
	BYKJET-9170 ○			
	BYKJET-9177 ○			
Magenta: (e.g., PV 19 / PR 122 / …)	BYKJET-9170 ●	BYKJET-9131 ●	BYKJET-9152 ●	BYKJET-9151 ●
	BYKJET-9171 ●	BYKJET-9132 ○	BYKJET-9131 ○	BYKJET-9152 ●
	BYKJET-9175 ●	BYKJET-9152 ○	BYKJET-9151 ○	DISPERBYK-2030 ●
	DISPERBYK-190 ●	DISPERBYK-161 ○	DISPERBYK-2001 ○	BYKJET-9150 ○
	BYKJET-9151 ○	DISPERBYK-163 ○		DISPERBYK-168 ○
	BYKJET-9177 ○			DISPERBYK-168 TF*[1] ○
Yellow: (e.g., PY 74 / PY 139 / PY 151 / PY 155 / …)	BYKJET-9170 ●	BYKJET-9131 ●	BYKJET-9131 ●	BYKJET-9151 ●
	BYKJET-9171 ●	BYKJET-9132 ○	BYKJET-9151 ●	BYKJET-9152 ●
	BYKJET-9175 ●	BYKJET-9152 ○	BYKJET-9152 ○	DISPERBYK-2030 ●
	BYKJET-9177 ●			BYKJET-9150 ○
	DISPERBYK-190 ●			DISPERBYK-168 ○
	BYKJET-9151 ○			DISPERBYK-168 TF*[1] ○
Yellow: (PY 150)	BYKJET-9170 ●	DISPERBYK-2200 ●	DISPERBYK-2200 ●	DISPERBYK-168 ●
				DISPERBYK-168 TF*[1] ●
Black: (PBk 7)	BYKJET-9151 ●	BYK-9076 ●	BYKJET-9152 ●	BYKJET-9151 ●
	BYKJET-9175 ●	BYK-9077 ●	DISPERBYK-2200 ●	DISPERBYK-168 ●
	BYKJET-9177 ●	BYKJET-9151 ○	BYKJET-9151 ○	DISPERBYK-168 TF*[1] ●
	DISPERBYK-2014 ●	BYKJET-9152 ○	DISPERBYK-2155 ○	DISPERBYK-2030 ●
	BYKJET-9152 ○	DISPERBYK-2200 ○	DISPERBYK-2155 TF*[1] ○	BYKJET-9150 ○
	BYKJET-9170 ○			BYKJET-9152 ○
	BYKJET-9171 ○			
	DISPERBYK-190 ○			

● First recommendation ○ Second recommendation

Unless otherwise stated, all silicone-containing additives have a cyclic siloxane content (D4, D5, D6) of less than 0.1 % each.

*[1] (Organo) Tin-free version: Future-oriented variant of the original product. Originals are still available. *[2] Content of cyclic siloxanes ≥ 0.1 %.

Inkjet inks: „Drop-on-demand (DOD)“ (2/3)

Application	Aqueous	“Strong” solvent and continous inkjet	“Eco” solvent (“mild” solvent)	UV, solvent-free
Pigment stabilization	**White:** (PW 6) BYKJET-9175 ● DISPERBYK-2010 ● DISPERBYK-2018 ● DISPERBYK-2019 ● DISPERBYK-190 ○	**White:** (PW 6) DISPERBYK-111 ● DISPERBYK-110 ○ DISPERBYK-118 ○	**White:** (PW 6) DISPERBYK-2200 ● DISPERBYK-111 ○ DISPERBYK-2152 ○	**White:** (PW 6) DISPERBYK-111 ● DISPERBYK-2152 ● DISPERBYK-2205 ○
	Green/orange: (e.g., PG 7/PG 36/PO 34/PO 43/…) BYKJET-9171 ● BYKJET-9177 ● DISPERBYK-190 ○	**Green/orange:** (e.g., PG 7/PG 36/PO 34/PO 43/…)	**Green/orange:** (e.g., PG 7/PG 36/PO 34/PO 43/…)	**Green/orange:** (e.g., PG 7/PG 36/PO 34/PO 43/…)
Leveling	BYK-3455 ● BYK-3456 ○	BYK-361 N ● BYK-315 N ○	BYK-361 N ● BYK-315 N ○	BYK-361 N ● BYK-3455 ○ BYK-3456 ○ BYK-UV 3530*2 ○
Substrate wetting (reduction of static surface tension)	BYK-348 ● BYK-3420 ● BYK-3450 ● BYK-3451 ● BYK-3455 ○ BYK-3456 ○	BYK-333 ● BYK-378*2/BYK-3764 ○ BYK-379 ○	BYK-333 ● BYK-378*2/BYK-3764 ● BYK-379 ● BYK-3550 ○ BYK-3760 ○	BYK-UV 3530*2 ● BYK-UV 3575*2 ● BYK-3760 ○ BYK-UV 3500*2 ○ BYK-UV 3505 ○
Drop formation (reduction of dynamic surface tension)	BYK-DYNWET 800 ● BYK-DYNWET 810 ● BYK-3400 ○ BYK-3410 ○ BYK-3455 ○ BYK-3456 ○			

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Inkjet inks: „Drop-on-demand (DOD)“ (3/3)

Application	Aqueous	“Strong” solvent and continous inkjet	“Eco” solvent (“mild” solvent)	UV, solvent-free
Surface slip	BYK-333 ● BYK-378*2/BYK-3764 ● BYK-379 ●	BYK-333 ● BYK-378*2/BYK-3764 ● BYK-379 ●	BYK-333 ● BYK-378*2/BYK-3764 ● BYK-379 ● BYK-3760 ○	BYK-378*2/BYK-3764 ● BYK-379 ● BYK-UV 3500*2 ● BYK-UV 3505 ● BYK-3760 ○ BYK-UV 3575*2 ○
Scratch resistance	AQUACER 513 ● AQUACER 530 ● AQUACER 593 ● HORDAMER PE 03 ● AQUACER 531 ○			NANOBYK-3605 ●
Defoaming	BYK-019*2/BYK-1709 ● BYK-028 ○ BYK-1770 ○			BYK-1790 ● BYK-1791 ○ BYK-1794 ○ BYK-A 535 ○
Humectant	BYKETOL-PC ●			

● First recommendation ○ Second recommendation

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*1 (Organo) Tin-free version: Future-oriented variant of the original product. Originals are still available. *2 Content of cyclic siloxanes ≥ 0.1 %.

Inkjet inks for ceramic substrates

Application	DOD, solvent-borne	Digital glaze (aqueous)
Pigment stabilization	Low polar: BYKJET-9142 ● DISPERBYK-106 ● DISPERBYK-2157 ● ANTI-TERRA-U 100 ○ Middle to high polar: DISPERBYK-180 ● BYKJET-9133 ○ BYKJET-9151 ○ DISPERBYK-111 ○ DISPERBYK-145 ○	DISPERBYK-2010 ● DISPERBYK-2015 ● DISPERBYK-2018 ● DISPERBYK-2019 ●
Substrate wetting (static surface tension control)	BYK-333 ● BYK-307*[3]/BYK-3762 ○ BYK-378*[3]/BYK-3764 ○ BYK-379 ○	BYK-348 ● BYK-3450 ● BYK-3451 ● BYK-DYNWET 800 ● BYK-DYNWET 810 ●

● First recommendation ○ Second recommendation

Unless otherwise stated, all silicone-containing additives have a cyclic siloxane content (D4, D5, D6) of less than 0.1 % each.

*[3] Content of cyclic siloxanes ≥ 0.1 %.

For more products regarding ceramic inkjet inks please contact **graphicarts.byk@altana.com.**

Disperse dyes

e. g. disperse red 60, disperse yellow 54, disperse blue 3599

Application	Disperse dyes
Pigment stabilization	BYKJET-9171 ● BYKJET-9175 ● DISPERBYK-190 ● DISPERBYK-2015 ● BYKJET-9152 ○ DISPERBYK-2010 ○
Substrate wetting	BYK-3410 ● BYK-DYNWET 800 ● BYK-DYNWET 810 ● BYK-348 ○ BYK-3455 ○

● First recommendation ○ Second recommendation

For more products for the use in disperse dyes, please contact **graphicarts.byk@altana.com.**

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